



Product: [1032A](#)

Inst, 1 Pr #18 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC ITC CMG

[Request Sample](#)

Product Description

UL Instrumentation, 1 Pair 18AWG (7x26) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|------------------|
| Pair(s) | 1 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.080 in (2.0 mm) | ICEA Chart E1 |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.237 in (6.02 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.237 in (6.02 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---------|--------------------|-------------------------------|---|------------------------------|
| Pair(s) | 5.86 Ohm/1000ft | 51 pF/ft (170 pF/m) | 95 pF/ft (310 pF/m) | 14 Amps per conductor @ 30°C |

Voltage

| UL Voltage Rating |
|--|
| 300 V (PLTC, CMG, AWM 2464), 150 V (ITC) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -30°C to +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|----------------|----------------|
| 2.8 in (71 mm) | 2.8 in (71 mm) |
|----------------|----------------|

| | |
|--------------------|----------------|
| Max. Pull Tension: | 58 lbs (26 kg) |
|--------------------|----------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 30 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

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|----------------------------|--|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance |
|----------------------------|--|

| | |
|----------------------------------|---|
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEEE 1202 FT4 |
|----------------------------------|---|

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|----------------------|---|
| NEC / UL Compliance: | Article 725, Article 727, Article 800, CMG, ITC, PLTC |
|----------------------|---|

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|-----------------|----------|
| AWM Compliance: | AWM 2464 |
|-----------------|----------|

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|-------------------------|-----|
| CEC / C(UL) Compliance: | CMG |
|-------------------------|-----|

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|--------------------------------|---|
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
|--------------------------------|---|

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|------------------|---------------------------------|
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
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History

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| Update and Revision: | Revision Number: 0.615 Revision Date: 02-15-2024 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|----------------|-------------|------------|-----------|--------------|----------|
| 1032A 0101000 | Black | Reel | 1,000 ft | 612825104988 | C |
| 1032A 01010000 | Black | Reel | 10,000 ft | 612825104995 | C Z |
| 1032A 0061000 | Blue, Light | Reel | 1,000 ft | 612825104957 | C |
| 1032A 0065000 | Blue, Light | Reel | 5,000 ft | 612825104971 | C Z |
| 1032A 00610000 | Blue, Light | Reel | 10,000 ft | 612825104964 | C |

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